



# NITFS Compliance Registration



**Product:** Global Hawk Enhanced Integrated Sensor Suite, Software version 2.0  
**Sponsor:** Global Vigilance Combined Test Force  
**Developer:** Northrop Grumman Corporation

**Date:** 14 June 2011

**Expiration:** 13 June 2013

**Registration #:** 1056

☒ **System** ☐ **Product** ☐ **Component**

N-0105, §4.1.1 N-0105, §4.1.2 N-0105, §4.1.3

- ☐ Initial Registration  
☐ Supplemental/Update #  
☐ Derived from Reg. #

| Complexity Level |   |   |   |   |   |   |     |
|------------------|---|---|---|---|---|---|-----|
| NITF 2.1 CLEVEL  |   |   |   |   |   |   |     |
|                  | 3 | 5 | 6 | 7 |   |   |     |
| Interpret        |   |   |   |   |   |   |     |
| Generate         |   |   |   |   |   |   |     |
| NITF 2.0 CLEVEL  |   |   |   |   |   |   |     |
|                  | 1 | 2 | 3 | 4 | 5 | 6 | Oth |
| Interpret        |   |   |   |   |   |   |     |
| Generate         |   |   |   |   |   |   |     |

## NITFS Features Implemented:

### Format NITF

- ☒ 2.1  
☐ 2.0  
☐ 1.1

- NSIF**  
☐ 1.0

### Pixel Value Types

- ☐ Boolean  
☒ Integer  
☐ Signed Integer \*  
☐ IEEE Real \*  
☐ IEEE Complex \*

### Annotation Segment Types

- ☐ Bit Mapped \*\*  
☐ CGM, 2301  
☐ CGM, 2301A  
☐ Labels \*\*

### Text Segments

- ☐ STA  
☐ OUT1  
☐ OUS  
☐ OMTF

### Image Segment Types

- ☒ MONO  
☐ RGB  
☐ RGB/LUT  
☐ YCbCr  
☐ MULTI  
☒ WODISPLY  
☐ POLAR  
☐ No Mask  
☐ Mask

### Image Compression

- ☒ No compression  
☒ JPEG Lossy, 8-bit  
☒ JPEG Lossy, 12-bit  
☐ JPEG Downsample  
☐ JPEG Lossless  
☐ JPEG 2000  
☐ Code Stream w/o JP2  
☐ Code Stream w/JP2  
☐ 1 Band  
☐ 3 Band RGB  
☐ 1 Band RGB/LUT  
☐ Multiband  
☐ Bi-Level  
☐ Vector Quantization

### Data Extension Segments

- ☐ TRE\_OVERFLOW  
☐ STREAMING\_FILE\_HEADER  
☐ Controlled Extensions  
☐ Registered Extensions  
☐ CSATTA  
☐ CSSHPA

### Tagged Record Extensions

- ☒ ACFTB  
☒ AIMIDB  
☒ AIPBCA  
☒ BLOCKA  
☒ CMETAA  
☒ ENGRDA  
☒ EXPLTB  
☒ MENSRB  
☒ MTIRPB  
☒ MTXFIL (GMTI only)  
☒ PATCHB  
☒ SENSRA

### Bit-Per-Pixel

- ☐ 1  
☒ 8  
☐ 9-16  
☒ 16  
☐ 17-32  
☐ 32  
☐ 33-64  
☐ 64

## Configurations Tested:

- Windows XP, service pack 2

### Legend

- \*\* NITF 2.0 only feature  
\* NITF 2.1 only feature  
☒ Fully implemented  
☒ Partially implemented  
☐ Not implemented

Registration does not guarantee that a product will meet all users' requirements.  
Potential users should evaluate the detailed test results to determine the suitability of  
product for the intended use. Optional NITFS features may not be implemented.

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Portfolio Chief  
Joint Interoperability Test Command  
Executive Agent to National Geospatial-  
Intelligence Agency for the NITFS Test and  
Evaluation Program